

Appl. No. 10/829,114

Amdt. Dated April 6, 2006

Reply to Office Action of February 27, 2006

Amendments to the Claims:

Please replace all previous listings of claims with the following listing of claims:

DH Listing of Claims

1. (Currently Amended) A scroll housing for use in conjunction with a fluid compressor comprising:
an inlet adapted to receive a flow of fluid;
a scroll shaped outer wall;
a forward flange and an aft flange formed on said scroll shaped outer wall;
an outlet; and
a plurality of scroll vanes integrally formed with said scroll shaped outer wall and extending between and said aft flanges, and said plurality of scroll vanes connecting said forward and aft flanges, said plurality of scroll vanes adapted for guiding the flow of fluid from said inlet to said outlet while supporting said scroll housing and configured such that an equal stress is maintained on each scroll vane when a load is applied to the scroll shaped outer wall.

2. (Original) The scroll housing of claim 1, wherein each of said plurality of scroll vanes has a leading edge and a trailing edge, said leading edge and said trailing edge are separated by a chord length, wherein said chord length enables at least one of said plurality of scroll vanes to carry a load upon said scroll housing adjacent each of said plurality of scroll vanes.

3. (Original) The scroll housing of claim 1, wherein at least one of said plurality of scroll vanes has a cross sectional area, wherein said cross sectional area carries a load upon said scroll housing adjacent each of said plurality of scroll vanes.